EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14177	(709/229-240).CCLS.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2007/06/07 15:47
L2	1433245	protect$4	US-PGPUB; USPAT	OR	ON	2007/06/07 15:47
L3	12769	SDH sonet	US-PGPUB; USPAT	OR	ON	2007/06/07 15:47
L4	4720438	part portion percentage fraction	US-PGPUB; USPAT	OR	ON	2007/06/07 15:47
L5	2624	(709/226).CCLS.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2007/06/07 15:47
L6	803	1 and 5	US-PGPUB; USPAT	OR	ON	2007/06/07 15:47
L7	4867	4 and 3 and 2	US-PGPUB; USPAT	OR	ON	2007/06/07 16:02
L8	16	7 and 6	US-PGPUB; USPAT	OR	ON	2007/06/07 16:02
S1	1	("7072580").PN.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2007/06/06 14:15
S2	12755	SDH sonet	US-PGPUB; USPAT	OR	ON	2007/06/05 09:37
S3	98	"G.841"	US-PGPUB; USPAT	OR	ON	2007/06/05 10:26
S4	1431441	protect$4	US-PGPUB; USPAT	OR	ON	2007/06/05 10:27
S5	396	(S4 with data) same S2	US-PGPUB; USPAT	OR	ON	2007/06/05 10:28
S6	13403	low adj3 priority	US-PGPUB; USPAT	OR	ON	2007/06/05 10:28
S7	1234	low adj3 priority adj3 data	US-PGPUB; USPAT	OR	ON	2007/06/05 10:28
S8	0	S7 same S4 same S2	US-PGPUB; USPAT	OR	ON	2007/06/05 10:29
S9	98	S7 and S4 and S2	US-PGPUB; USPAT	OR	ON	2007/06/05 10:31
S10	8446	fully near3 utilize	US-PGPUB; USPAT	OR	ON	2007/06/05 10:31

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S11	7	(S10 same S4) and S2	US-PGPUB; USPAT	OR	ON	2007/06/05 11:01
S12	18811	tdm	US-PGPUB; USPAT	OR	ON	2007/06/05 11:01
S13	288	S2 and S12 and (S4 with data) and priority	US-PGPUB; USPAT	OR	ON	2007/06/05 11:09
S14	6	(non adj3 S4 adj3 data) and S2	US-PGPUB; USPAT	OR	ON	2007/06/05 13:25
S15	1097	pre adj emptive	US-PGPUB; USPAT	OR	ON	2007/06/05 13:26
S16	88	unprotected adj traffic	US-PGPUB; USPAT	OR	ON	2007/06/05 13:26
S17	12755	SDH sonet	US-PGPUB; USPAT	OR	ON	2007/06/05 13:26
S18	13403	low adj3 priority	US-PGPUB; USPAT	OR	ON	2007/06/05 13:26
S19	26	S16 and S17 and S18	US-PGPUB; USPAT	OR	ON	2007/06/05 13:26
S20	2	("6785225").URPN.	USPAT	OR	ON	2007/06/05 14:36
S21	272586	S17 and tdm adn nut	USPAT	OR	ON	2007/06/05 14:36
S22	45	S17 and tdm and nut	USPAT	OR	ON	2007/06/05 14:37
S23	4715219	part portion percentage fraction	US-PGPUB; USPAT	OR	ON	2007/06/06 14:15
S24	1431441	protect$4	US-PGPUB; USPAT	OR	ON	2007/06/06 14:15
S25	12755	SDH sonet	US-PGPUB; USPAT	OR	ON	2007/06/06 14:15
S26	18811	tdm	US-PGPUB; USPAT	OR	ON	2007/06/06 14:16
S27	232	(S23 same S24) and (S25 same S26)	US-PGPUB; USPAT	OR	ON	2007/06/06 14:47
S28	91	(S23 same S24 same failure) and (S25 same S26)	US-PGPUB; USPAT	OR	ON	2007/06/06 14:57
S29	19305	qos (qualtiy near5 service)	US-PGPUB; USPAT	OR	ON	2007/06/06 14:58
S30	107	S29 and S27	US-PGPUB; USPAT	OR	ON	2007/06/06 15:24
S31	2285463	level	US-PGPUB; USPAT	OR	ON	2007/06/06 15:25
S32	1788039	failure break cut	US-PGPUB; USPAT	OR	ON	2007/06/06 15:25
S33	44	S29 with S23 with S24	US-PGPUB; USPAT	OR	ON	2007/06/06 15:27

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S34	14	S33 and S25	US-PGPUB; USPAT	OR	ON	2007/06/06 15:28
S35	118	maintain with low with high with service	US-PGPUB; USPAT	OR	ON	2007/06/06 15:29
S36	8	S32 same S35	US-PGPUB; USPAT	OR	ON	2007/06/06 15:29
S37	5	S35 and S25	US-PGPUB; USPAT	OR	ON	2007/06/06 15:30
S38	2620	(709/226).CCLS.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2007/06/06 15:30
S39	89	S38 and S25	US-PGPUB; USPAT	OR	ON	2007/06/06 15:31
S40	0	("70725800").PN.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2007/06/06 15:31
S41	1	("7072580").PN.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2007/06/06 15:34
S42	3413	working near3 capacity	US-PGPUB; USPAT	OR	ON	2007/06/06 15:35
S43	148	S42 and S25	US-PGPUB; USPAT	OR	ON	2007/06/06 15:35
S44	7	((reduce cut S23) same S42) and S29	US-PGPUB; USPAT	OR	ON	2007/06/06 16:07
S45	875	ms adj spring	US-PGPUB; USPAT	OR	ON	2007/06/06 16:07
S46	120	S45 and (S23 same S24)	US-PGPUB; USPAT	OR	ON	2007/06/06 16:09
S47	14	S45 same S23 same S24	US-PGPUB; USPAT	OR	ON	2007/06/06 16:09

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R Cardwell

New transport services for next-generation SONET/SDH systems - all 5 versions »
D Cavendish, K Murakami, SH Yun, O Matsuda, M ... - Communications Magazine, IEEE, 2002 - ieeexplore.ieee.org
... could go up to 50 **percent** (ie, 50 **percent** of the ... as 2F- UPSR (SNCP ring) or 4F-BLSR
(**MS SPRING**), can be ... ring, because the network is still based on **SONET**/SDH. ...
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[DOC] Ethernet over **SONET** SUMMARY
J Chu - cs.iit.edu
... based 2- and 4-fiber BLSR/**MS-SPRing** to dynamic ... costs in comparison to traditional
SONET/SDH alternatives ... offers the VLX2020 which provides 100 **percent** line-rate ...
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A survivable and cost-effective IP metro interconnect architecture - all 2 versions »
P Veitch, BTDT Ltd, UK Ipswich - Communications Magazine, IEEE, 2003 - ieeexplore.ieee.org
... of the Telcordia (formerly Bellcore) **SONET** specification ... ring with an assumed switchover
time of 50 **ms**. ... OMPARISON Figure 5 shows the **percentage** availability for ...
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Analysis of optimization issues in multi-period DWDM network planning - all 7 versions »
N Geary, A Antonopoulos, E Drakopoulos, JO'Reilly - IEEE INFOCOM, 2001 - it.iitb.ac.in
... 1) SDH/**SONET** traffic demands ... capacity saving of 20-40% [5]. However, as with SDH
MS- SPRings, the actual ... we may now be only able to recover a **percentage** of the ...
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Backbone network architectures for IP optical networking - all 4 versions »
S Baroniy - Philosophical Transactions of the Royal Society A: ..., 2000 - journals.royalsoc.ac.uk
... implemented, link failures will be restored via **SONET**/ SDH or optical-ring protection
or optical-mesh restoration. Restoration times of the order of 50 **ms** or a ...
Cited by 9 - Related Articles - Web Search - BL Direct

Method for protection of ethernet traffic in optical ring networks
M Meged, I Kaspit - 2006 - freepatentsonline.com
... the virtual containers of the SDH/**SONET** traffic (those ... to the invention, whenever
the **MS-SPRING** system detects ... node(s). [0068] In a small **percentage** of faults ...
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New Transport Services for Next-Generation SONET/SDH Systems - all 4 versions »
K Murakami, SH Yun, O Matsuda, M Nishihara... - IEEE Communications Magazine, 2002 - cc.ee.ntu.edu.tw
... could go up to 50 **percent** (ie, 50 **percent** of the ... as 2F- UPSR (SNCP ring) or 4F-BLSR
(**MS SPRING**), can be ... ring, because the network is still based on **SONET**/SDH. ...
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Architecture and design of optical channel protected ring networks - all 8 versions »
P Arijs, R Meersman, W Van Parys, E Iannone, A ... - Lightwave Technology, Journal of, 2001 - ieeexplore.ieee.org
... the one adopted in an SDH/**SONET MS-SPRing**, but using ... only dif- ference is that
SDH/**SONET** timeslots have ... suitable for nodes dropping a large **percentage** of the ...
Cited by 6 - Related Articles - Web Search - BL Direct

[BOOK] Optical Network Design and Implementation - all 2 versions »
V Alwayn - 2004 - books.google.com
... 267 Four-Fiber **MS-SPRing** 268 SDH Network Management 271 Summary 272 Chapter 7 Packet
Ring Technologies 275 Ethernet Services 275 Ethernet over **SONET**/SDH 276 ...
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Analysis of optimisation issues in multi-period DWDM networkplanning
TOC View - INFOCOM 2001. Twentieth Annual Joint Conference of the IEEE ..., 2001 - ieeexplore.ieee.org
... 1) SDH/**SONET** traffic demands ... capacity saving of 20-40% [5]. However, as with SDH
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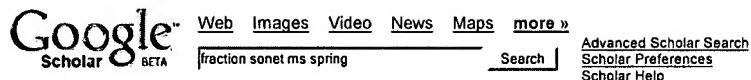
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A Antonopoulos, JJ O'Reilly, P Lane - Proceedings of the Third IEEE Symposium on Computers & ..., 1998 - doi.ieeecs.org
... Others have also proposed tools for **SONET** ring planning ... et al have only concentrated
on **MS**-DPRing planning [8 ... capacity are provisioned to only a **fraction** of the ...
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AN ALGORITIIMIC APPROACH TO ETSI PARTIAL ACCESS STM-16 SNCP-RIING DESIGN
S ring planning algorithms by Wu... - ieeexplore.ieee.org
... protection switching time of SOms that **SONET** Self Healing ... nodes do not access the
same **fraction** of the ... an alternative option to the STM-16 **MS-SPRings** for core ...
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for the **SONET** Ring Loading Problem - all 4 versions »
S Khanna - Bell Labs Technical Journal, 1997 - doi.wiley.com
... error that is an arbitrarily small **fraction** of the ... related to balancing loads on
SONET rings." Telecommunications ... and Science, Pilani, India, an **MS** from the ...
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Network element with redundant switching matrix
H Volkmar - 2003 - freepatentsonline.com
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V HEUER - EP Patent 1,280,374, 2003 - freepatentsonline.com
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T Stidsen, AJ Glenstrup - Naval Research Logistics, 2005 - doi.wiley.com
... 8] give an optimal model of a ring network, but only a **fraction** of it ... The ring network
technology considered in this paper is the **MS-SPRing** (Multiplex Section ...
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... Gorman, DV Kagan, J Neumann, **MS** Pickard, M Tislker ... - US Patent 6,285,671, 2001 - Google Patents
... Charles, IL (US); Dale Brian Hailing, Colorado **Springs**, CO (US); Scott Christopher
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Evolution of a Telecommunication Network from a Ring to Mesh Structure
W Grover, M Clouqueur, D Leung - US Patent Pending, filed June, 2002 - freepatentsonline.com
... reliability of a ring such as a **SONET** ring is ... the initial network, such as BLSR,
UPSR, **MS-SPRing**, SNCP ring ... line capacity of the ring, (ii) the **fraction** of the ...
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A Method for Fast ATM Network Survivability
J Anderson, CJ Newton, TH Noh - Bell Labs Technical Journal, 1997 - doi.wiley.com
... sites that may only need a **fraction** of the ... layer faults, including fiber cuts and
SONET line/path ... which need the fastest possible (60-**ms**) protection switching. ...
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Yi Chen, Mohammad T. Fatehi, Humberto J. La Roche - all 2 versions »
JZ Larsen, BL Nelson - doi.wiley.com
... MZI—Mach-Zehnder interferometer **MS**—multiplex section ... SOA—silicon optical amplifier
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